Colour Television

21PT3962

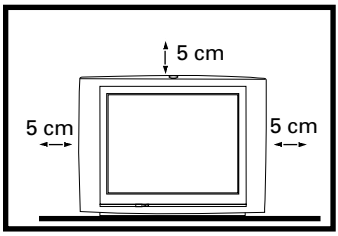
Instructions for use

Let's make things better.

PHILIPS

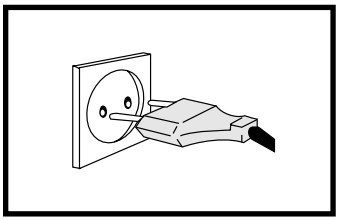
L92000

3139 125 28641



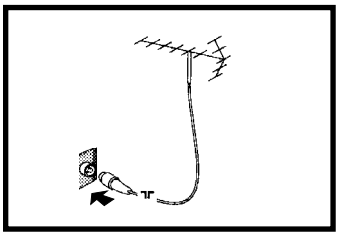
Positioning of the TV set

- Place TV set on a solid base (e.g. a TV/ Video cabinet)
- Leave at least 5 cm around each side of TV set for ventilation to avoid over-heating.
- Do not place TV set near a radiator or other sources of heat.
- Do not place TV set where it can be exposed to rain or excessive moisture.



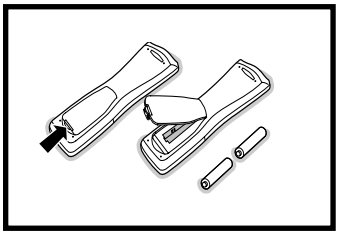
Mains Connection

- For correct mains voltage, refer to type sticker at the rear of the TV set.
- Consult your dealer if mains supply is different.
  Note : This diagram is not representative of the actual plug and socket.



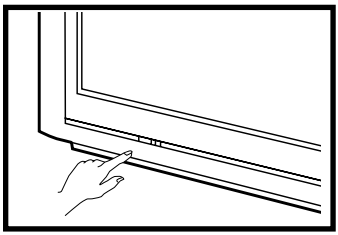
Connections

- Connect the aerial plug to the antenna socket on the backcover.
- Insert the mains plug into a wall socket.



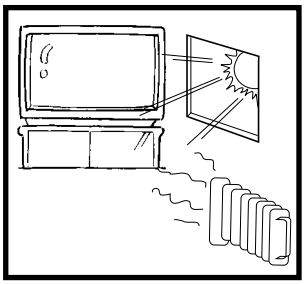
Use of Remote Control

- Insert correct type of batteries into the compartment.
- Ensure the batteries are placed in the right direction.

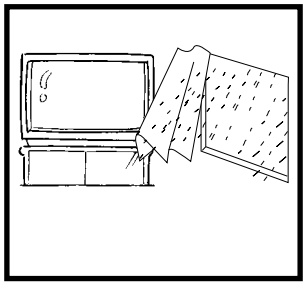


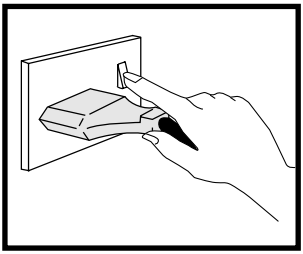
Switching on the set

- Press the mains power button to switch on/off the TV.
- If the set is on standby mode (indicator is red), press STANDBY button on the remote control to switch on set.

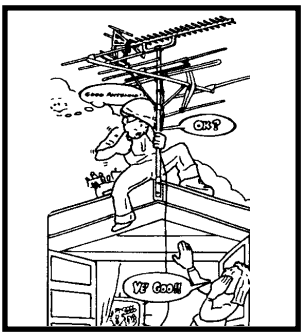


- Avoid heat and direct sunlight.
- Avoid direct exposure to rain or water.

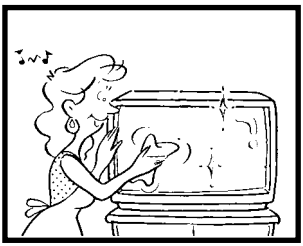




- DO NOT leave your TV on standby for a prolonged period.
- Switch off your TV if not in use.
- This will allow the TV to be demagnetised, giving good picture.



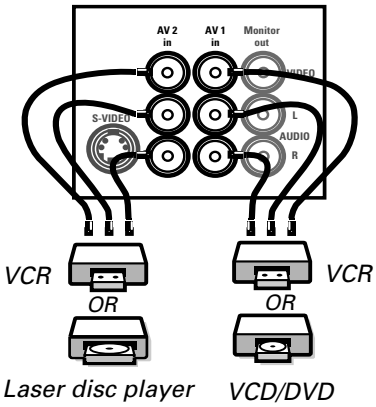
- Never repair the TV yourself – get a skilled personnel!



- Clean the TV's screen with a slightly damp soft cloth ONLY WHEN NECESSARY.

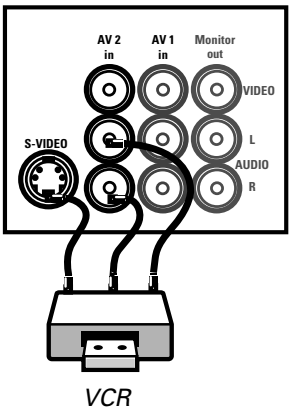
Note : Do not use abrasive solvent as it can damage the screen's coating.

Equipment such as VCR, Laser disc player, VCD, DVD etc. can be connected to the video and audio (AV) sockets at the rear of the TV. Switch off mains power of the TV and equipment before making any connection.

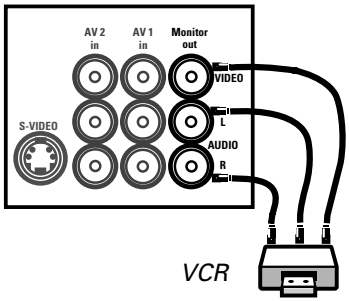


Connection for playback

1. **Connecting to AV sockets**
   You may choose to connect to AV1 in or AV2 in sockets or both.
- Connect the corresponding sockets of the equipment to that of the TV.
- To playback programme, select the first AV channel (if connection is made to sockets at AV1 in) or the second AV channel (if connection is made to sockets at AV2).
  Note : For mono equipment, connect to the AV1 in or AV2 in and "L" sockets only.



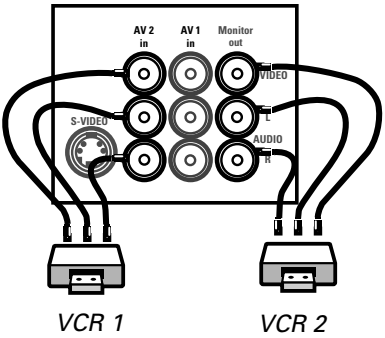
2. **Connecting to S-Video socket**
   If you have a S-Video equipment, connect to the S-Video socket for better picture quality.
- Connect the corresponding socket of the equipment to that of the TV.
- To view playback programmes, select the AV2 channel.
  Note : Do not connect Video "in" socket of the TV if S-Video socket is used.



Connection for recording

1. From the TV channel you are watching

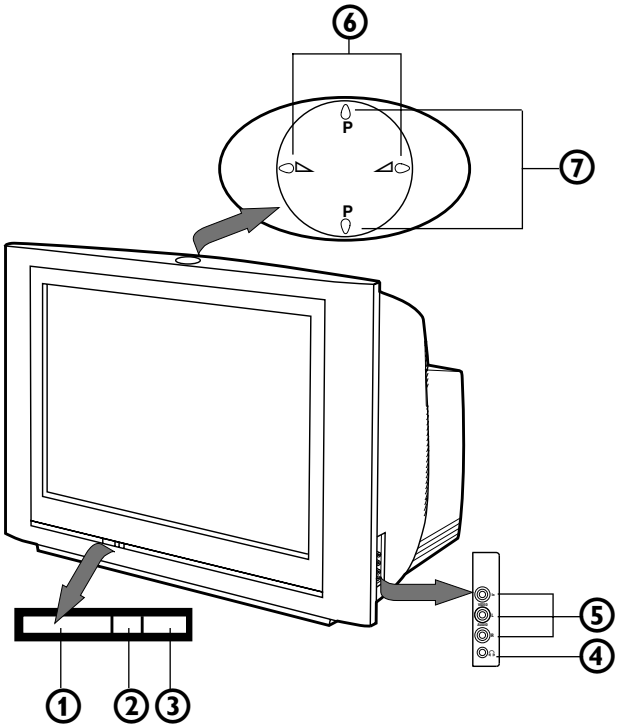
- Connect the corresponding sockets of the VCR to the Monitor "out" sockets at the rear of the TV.



2. From one VCR to another VCR

- Connect the sockets of the VCR which you wish to record from to the corresponding sockets at either AV1 or AV2.
- Connect the sockets of the receiving VCR to the Monitor "out" sockets at the rear of the TV.

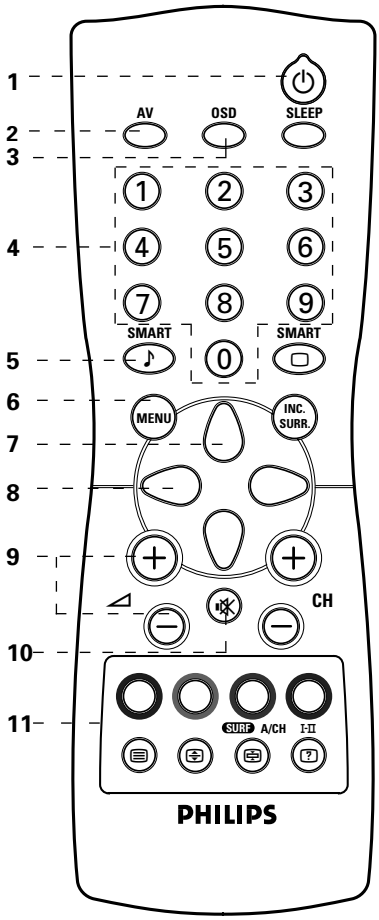
FUNCTIONS OF TV CONTROLS/SOCKETS

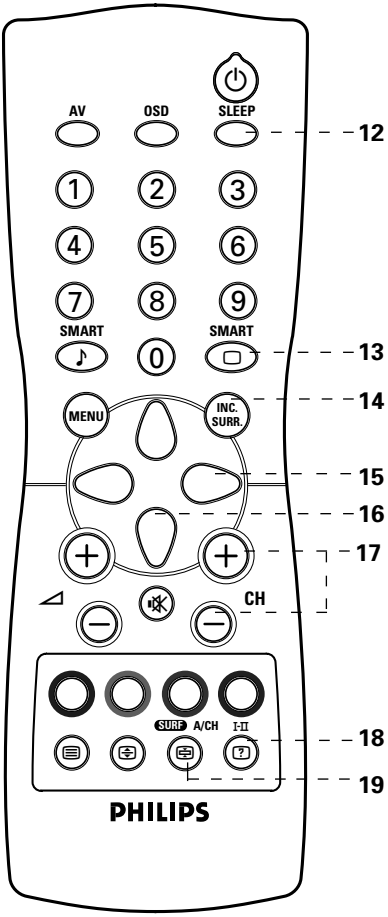


① Mains Power button	Switch mains power on or off.
② Standby light indicator	Indicate red light when standby mode is activated.
③ Remote sensor	Aim remote control handset at remote sensor when operating the TV.
④ Headphone socket	Connect headphone jack to socket for personal listening.
⑤ AV "in" sockets	Connect to Video "out" and Audio "out" sockets of VCR, laser disc player, etc.
⑥ Volume adjustment	Adjust sound volume louder/softer. Pressing these two buttons together will call up the main menu. Press these two buttons again will exit menu. Works as cursor left (◁) or right (▷) in a menu.
⑦ Channel adjustment	Select channel in ascending/descending order. Works as cursor up (△) or down (▽) in a menu.

FUNCTIONS OF REMOTE CONTROL

1. **STANDBY**
   Switch off set temporarily to standby mode. (The red light indicator lights up when set is on standby mode). To switch on set, press STANDBY or any DIGIT button.
2. **AV**
   Selects the AV channels.
3. **OSD (On-Screen Display)**
   – Displays channel number and sound transmission mode.
   – Allows you to exit menu from screen.
4. **DIGIT (0 - 9)**
   Allows you select a channel. For a 2-digit channel number, the second digit must be entered before the " – " sign disappears.
5. **SMART SOUND**
   Allows you to access 4 different types of sound settings.
6. **MENU**
   To display or exit menu from screen.
7. **CURSOR UP**
   Allows you to select the next item on the menu.
8. **CURSOR LEFT**
   Allows you to access the sub-menus and adjust the settings.
9. **VOLUME + / –**
   Increases / decreases volume.
10. **MUTE**
    Mutes sound. To restore sound, press button again.
11. **TELETEXT (applicable to certain versions only)**
    Selects text information. Refer to the section on "Teletext".
    Note : If your current channel is capable of transmitting teletext but is not in teletext mode, pressing the button will activate the teletext clock at the top right hand corner of the screen.





12. SLEEPTIMER

Allows you to select a time period after which the set will switch to standby mode automatically. You can set the timer from OFF mode up to a maximum of 240 minutes.

13. SMART PICTURE

Allows you to access 4 different types of picture settings.

14. INCREDIBLE SURROUND

Allows you to select incredible surround sound (enhanced stereo sound) when transmission is stereo mode.

15. CURSOR RIGHT

Allows you to access the sub-menus and adjust the settings.

16. CURSOR DOWN

Allows you to select the next item on the menu.

17. CHANNEL + / –

Allows you to select channel in ascending or descending order.

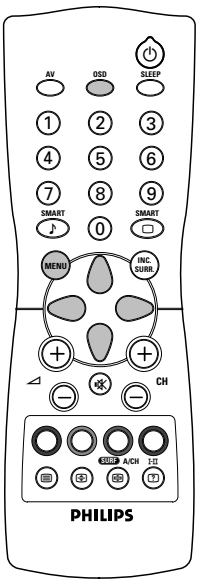
18. I-II

Allows you to switch from stereo to mono sound when transmission is in stereo mode or choose between first language or second language for transmission in bilingual mode.

19. SURF / ALTERNATE CHANNEL

– When surf mode is activated through the main menu, it allows you to select up to a maximum of 8 channels and view quickly the selected channels .
– It also allows you to alternate between the last viewed channel and the present channel if alternate channel mode is activated.

Selecting the language and Automatic Tuning



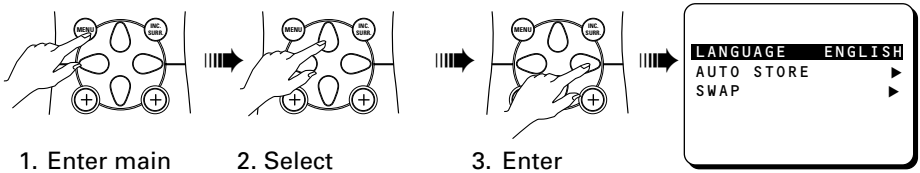
Press button		Result on TV Screen
MENU	1. Enter main menu.	BLUE MUTE OFF INSTALLATION ▶ BRIGHTNESS 28 COLOUR 18 CONTRAST 38
	2. Select **INSTALLATION**.	SURF A/CH BLUE MUTE OFF INSTALLATION ▶ BRIGHTNESS 28 COLOUR 18
	3. Enter **INSTALLATION** menu. **LANGUAGE** option is highlighted.	LANGUAGE ENGLISH AUTO STORE ▶ SWAP ▶
	4. Select your desired language.	
OR		
	5. Select **AUTO STORE**.	LANGUAGE ENGLISH AUTO STORE ▶ SWAP ▶ SKIP ▶
	6. Start automatic tuning.	AUTO STORE 050 MHZ CHANNEL 1
	7. After tuning is completed, the **INSTALLATION** menu will appear.	LANGUAGE ENGLISH AUTO STORE ▶ SWAP ▶ SKIP ▶
OSD	8. Exit menu from screen.	

SELECTION OF TV SYSTEM

(Applicable to certain versions only)

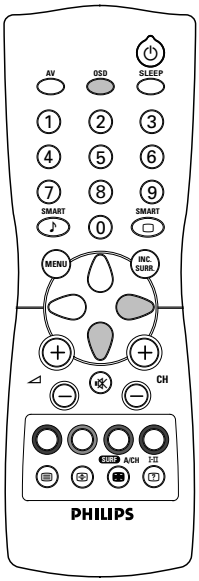
This feature allows you to select your desired TV system. If AUTO is selected, the respective colour system will be automatically selected according to the transmission system.

Note : Select another system if reception is poor at **AUTO** mode.

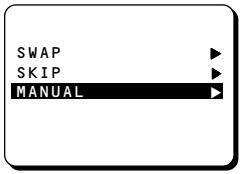


1. Enter main menu.
2. Select **INSTALLATION**.
3. Enter installation mode.

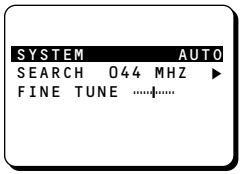
Press button | **Result on TV Screen**



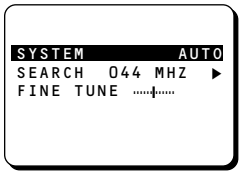
4. Select **MANUAL**.



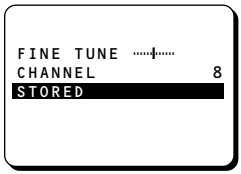
5. Enter **MANUAL** menu
6. Enter system menu.



7. Press button repeatedly to cycle through the respective transmission system and select the desired system.



8. Select **STORE**.



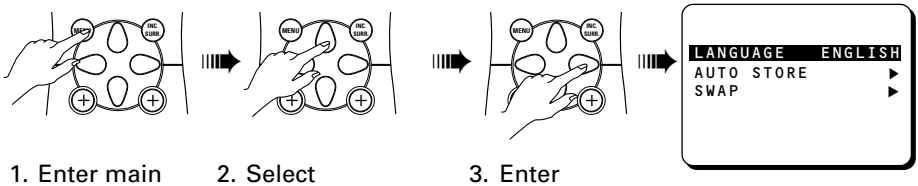
9. Store system.

OSD

10. Exit menu from screen.

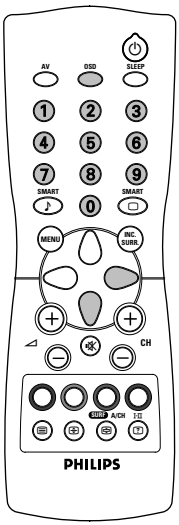
MANUAL TUNING OF TV CHANNELS

Manual tuning of channels allows you to select your preferred channel number for every available programme.



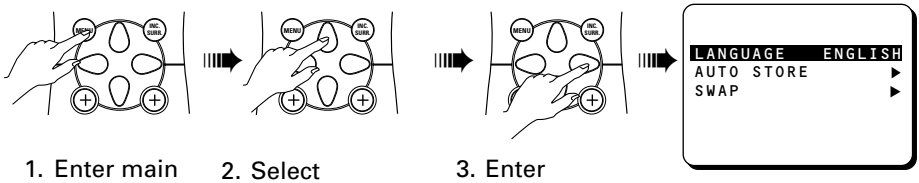
1. Enter main menu.
2. Select **INSTALLATION**.
3. Enter installation mode.

Press button		Result on TV Screen
	4. Select **MANUAL**.	SWAP ▶ SKIP ▶ MANUAL ▶
	5. Enter **MANUAL** menu.	SYSTEM AUTO SEARCH 044 MHZ ▶ FINE TUNE
	6. Select **SEARCH**.	
	7. Start searching for a transmitting channel. Searching stops once a transmitting channel is found.	SYSTEM AUTO SEARCH 055 MHZ ▶ FINE TUNE CHANNEL 2
	8. Select **CHANNEL**.	SEARCH 055 MHZ ▶ FINE TUNE CHANNEL 8
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	9. Key in the desired channel number.	
	10. Select **STORE**.	FINE TUNE CHANNEL 8 STORED
	11. Store tuned channel. To continue searching for the next transmitting channel, repeat steps 6 to 11 again.	
OSD	12. Exit menu from screen.	



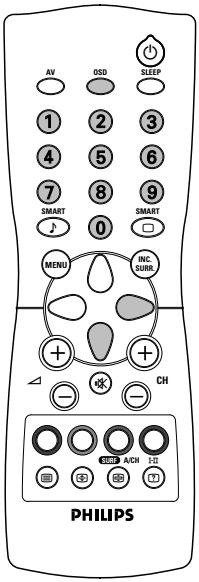
SWAPPING OF CHANNELS

This feature allows you to change the channel number to your choice for a particular TV station.



1. Enter main menu.
2. Select **INSTALLATION**.
3. Enter installation mode.

Press button | **Result on TV Screen**



4. Select **SWAP**.

5. Enter **SWAP** menu.

6. Key in the desired channel number you want to exchange from in the **FROM** column.

7. Select **TO**.

8. Key in the programme number you want to exchange to in the **TO** column.

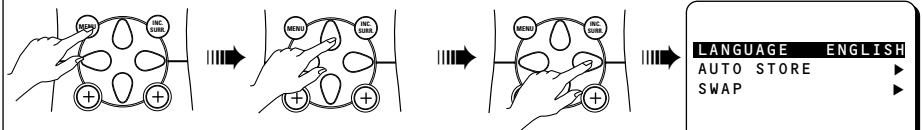
9. Select **EXCHANGE**.

10. Activate exchange of channels.

11. Exit menu from screen.

SKIPPING OF CHANNELS

This feature allows you to skip channels which have bad or weak TV signal or channels that you do not watch often. **Note** : Once a channel is skipped, you cannot have access to it by the **CH (Channel) +** or **–** button. you can only have access to the channel by the **DIGIT (0 - 9)** buttons.



1. Enter main menu
2. Select **INSTALLATION**.
3. Enter installation mode.

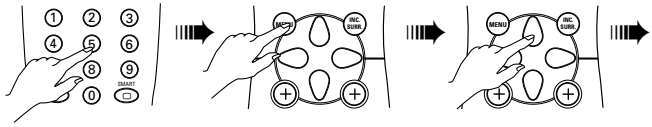
Press button		Result on TV Screen
	4. Select **SKIP**.	AUTO STORE ▶ SWAP ▶ SKIP ▶ MANUAL ▶
	5. Enter **SKIP** menu.	
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	6. Key in the channel to be skipped.	CHANNEL 3 SKIP NO
	7. Select **SKIP**.	
	8. Select **YES** to skip channel.	CHANNEL 3 SKIP NO CHANNEL 3 SKIP YES CHANNEL DELETED
OSD	9. Exit menu from screen.	

How to restore skipped channels

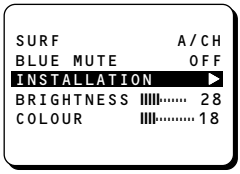
1. Repeat **steps 1** to **5** as in **"Skipping of Channels"**.
2. Key in the channel to be restored by the **DIGIT (0- 9)** button.
3. Select **SKIP** by the ◯ button.
4. Select **NO** to restore channel.
5. Exit menu from screen by the OSD ◯ button.

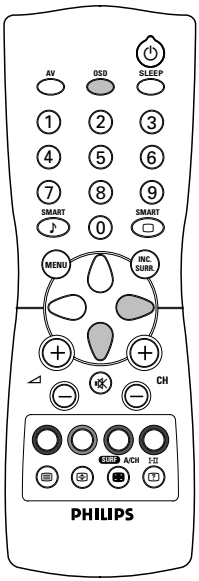
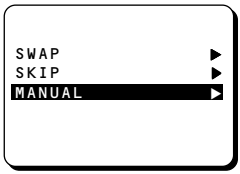
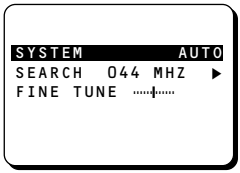
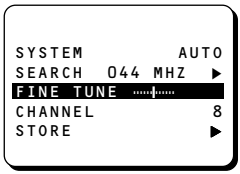
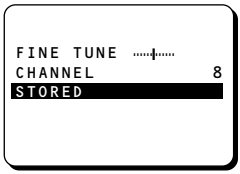
FINE TUNING OF TV CHANNELS

This feature allows you to adjust the picture reception in area of weak reception.



1. Select the channel you want to fine-tune.
2. Enter main menu.
3. Select **INSTALLATION**.



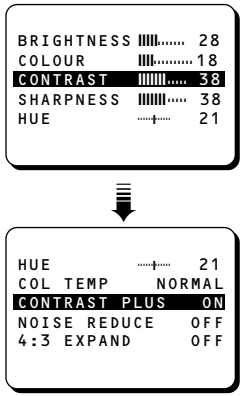
Press button		Result on TV Screen
	4. Enter installation mode.	
	5. Select **MANUAL**.	
	6. Enter **MANUAL** menu.	
	7. Select **FINE TUNE**.	
	8. Start fine-tuning until desired picture and sound is obtained.	
	9. Select **STORE**.	
	10. Store last fine-tuned status.	
OSD	11. Exit menu from screen.	

The picture and sound menu allow you to make adjustments to the picture and volume level.

How to do picture and sound adjustments

1. Press MENU button to enter main menu.
2. Use the ∧ or ∨ button to select the items in the menu.
3. Do the adjustments or activation by the < or > button.
4. Press OSD button to exit menu from screen.

Picture menu items	Selection
Brightness	Increase/decrease level
Colour	Increase/decrease intensity
Contrast	Increase/decrease level
Sharpness	Increase/decrease level
*Hue	Increase/decrease intensity
Colour Temp	Choice of 3 settings
Contrast Plus	On/Off
Noise Reduce	On/Off
4:3 Expand	On/Off



* Applicable to certain versions only.

*** Hue**
Applicable for NTSC programmes only.

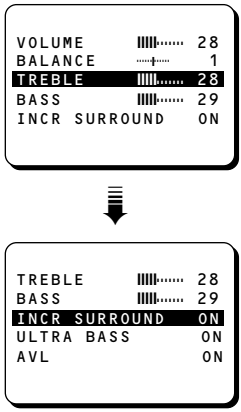
Colour Temp
Allows you a choice of 3 picture settings namely, **NORMAL**, **WARM** or **COOL**.

Contrast Plus
This feature allows you to optimise the total contrast for improved picture clarity.

Noise Reduce
Noise Reduce feature helps you to reduce the "noise" (little dots on the picture) from weak signal broadcast. Activating this feature makes a picture disturbed by "noise" clearer and sharper.

4:3 Expand
4:3 Expand feature allows you to adjust picture with black bar on the top and bottom to fill up more of the screen. It allows you to optimise the picture display on the screen.

Sound menu items	Selection
Volume	Increase/decrease level
Balance	Adjust balance level
Treble	Increase/decrease level
Bass	Increase/decrease level
Incredible Surround	On/Off
Ultra bass	On/Off
AVL	On/Off



Balance
Select this feature to allow you to adjust the balance of the right and left speakers' sound output.

Incredible Surround
You can hear an incredible sound with extra depth and an unbelievable three-dimensional effect that surrounds you completely without the need for additional surround speakers.

Ultra Bass
Select this feature to enhance the bass quality of small loudspeakers. Non-audible low-frequency signals are replaced by harmonics, making them audible giving the impression that low-frequency signal is present.

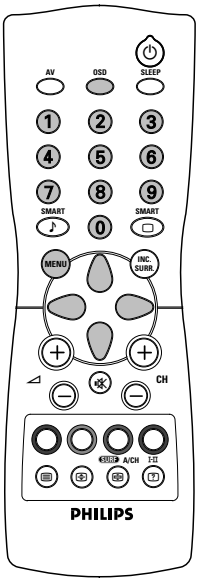
AVL (Auto Volume Leveller)
Variation in signal conditions can result in a sudden change in volume during commercial breaks or channel switching. Activating the Auto Volume Leveller feature enables the volume level to remain at a standard volume level.

ACTIVATING THE CHILD LOCK

Lock feature allows you to lock channels which you want to prevent others or your children from watching programmes you deem undesirable.
You can choose to lock up all the channels (inclusive of the 2 AV channels) or individual channel (up to a maximum of 5 channels).

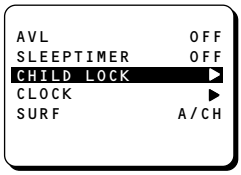
How to lock channels

Press button | **Result on TV Screen**



1. Enter main menu.

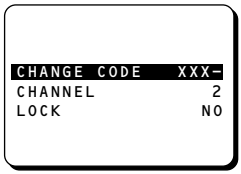
2. Select **CHILD LOCK**.



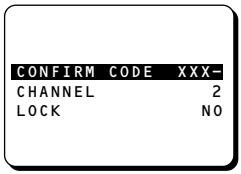
3. Enter **CHILD LOCK** mode.

4. Key in access code twice to enter child lock menu. **Note** : Universal access code is 0711.

5. Select **CHANGE CODE**. Key in your preferred code (4-digit) if you want to change to a new code. If you do not want to change code, select **CHANNEL** by the button and proceed to **step 7** to lock your desired channels.

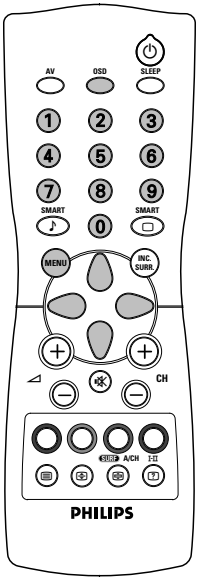


6. Key in the new code the second time to confirm change.



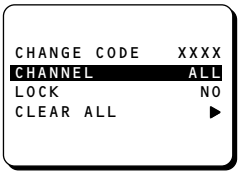
Press button

Result on TV Screen

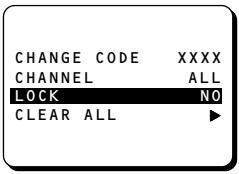


7. Select **ALL** if you choose to lock all the channels. You can also choose to lock individual channel (up to a maximum of 5).

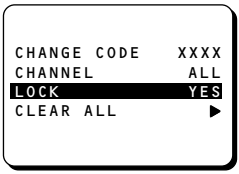
OR



8. Select **LOCK**.



9. Select **YES** to activate lock mode.



10. Exit menu from screen.

How to unlock channels

If you access any locked channel, a message "**ACCESS CODE**" will appear. To bypass the lock mode, key in your personal access code.
Note : If you forget your personal access code, key in the universal code 0711 twice.

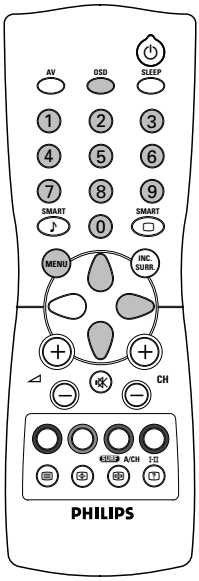
1. Repeat step 1 to 4 as in "**How to lock channels**".
2. Press ◯ button repeatedly until **CLEAR ALL** is selected if you want to unlock all the channels. Press ⬭ button to activate unlock mode.
3. If you want only to unlock individual channel, select **CHANNEL** by the ◯ button and key in the channel you want to unlock by the DIGIT 0 -9 button.
4. Select **LOCK** by the ◯ button.
5. Press ⬭ button to select **NO** to activate unlock mode.
6. Exit menu from screen by the OSD ⬭ button.

ACTIVATING THE CLOCK

(Applicable to certain versions only)

The Clock feature allows you to set the clock to switch to another channel at a specified time while you are watching another channel or when the TV is on standby mode.

Note : For the clock to function, the set must not be switched off. Once the set is switched off, the clock is disabled.



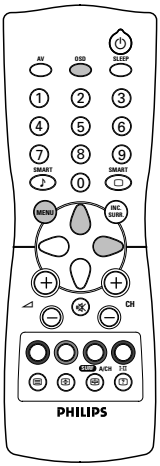
Press button		Result on TV Screen
MENU	1. Enter main menu.	SLEEPTIMER OFF CHILD LOCK ▶ CLOCK ▶ SURF A/CH BLUE MUTE OFF
	2. Select **CLOCK**.	
	3. Enter **CLOCK** menu.	
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	4. Set clock. Key in the time you want the clock to start functioning. For example, if the time is 10 : 30, key digit 1 and 0 in the hour column followed by digit 3 and 0 in the minute column.	TIME 10:30 TIMER ACTIVE OFF CHANNEL 2
	5. Select **TIMER ACTIVE**.	TIME 10:30 TIMER ACTIVE ON CHANNEL 2 AT --:--
	6. Select **ON** to activate clock.	
	7. Select **CHANNEL**.	TIME 10:30 TIMER ACTIVE ON CHANNEL 8 AT --:--
	8. Select the channel you want to switch to.	
	9. Select **AT**.	TIMER ACTIVE ON CHANNEL 8 AT 11:00
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	10. Key in the time you want the channel to be switched on.	
OSD	11. Exit from menu.	

ACTIVATING THE SLEEPTIMER / BLUE MUTE

Sleeptimer feature

This feature allows you to select a time period after which the set will switch to standby mode automatically. You can set the timer from **OFF** up to a maximum of 240 minutes.

How to activate the Sleeptimer feature



Press button

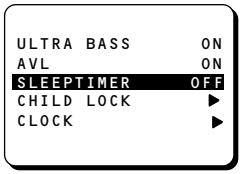
MENU — 1. Enter main menu.

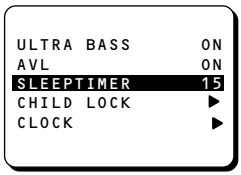
2. Select **SLEEPTIMER**.

3. Press button repeatedly to cycle through the time periods and select the desired time period.

OSD — 4. Exit menu from screen.

Result on TV Screen

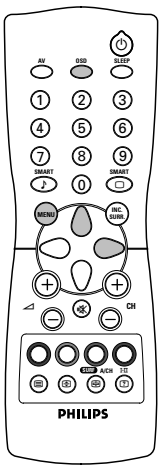




Blue Mute feature

The TV screen will turn blue when the Blue Mute feature is activated via the main menu. It indicates that there is no signal.

How to activate the Blue Mute feature



Press button

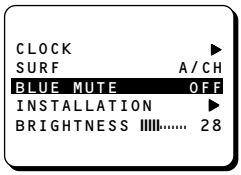
MENU — 1. Enter main menu.

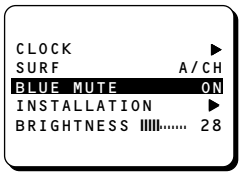
2. Select **BLUE MUTE**.

3. Select **ON** to activate Blue Mute feature.

OSD — 4. Exit menu from screen.

Result on TV Screen



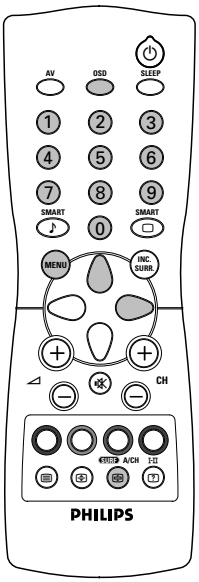


USING THE SURF FEATURE

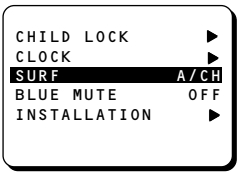
This feature allows you to create a surf list. You can select up to a maximum of 8 channels and view quickly the selected channels by the control handset.

How to add a channel to the surf list

Press button | **Result on TV Screen**

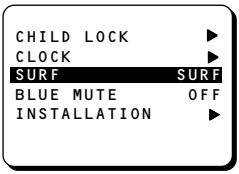


1. Enter main menu.



2. Select **SURF**.

3. Select **SURF** option. After selection of surf option, exit menu from screen by the OSD button.



4. Key in the channel number you want to add to the surf list.

5. Press button while the channel number is still visible. **"ADDED"** will appear indicating that the selected channel has been added. Repeat steps 4 and 5 to add more channels to the surf list.

How to delete a channel from the surf list

1. Select the channel you want to delete from the surf list by the **DIGIT (0 - 9**) button.
2. Press the SURF A/CH button while the channel number is still visible. **"DELETED"** will appear indicating that the selected channel has been deleted.
3. Repeat the above step 1 to 2 if you want to delete more channels from the surf list.

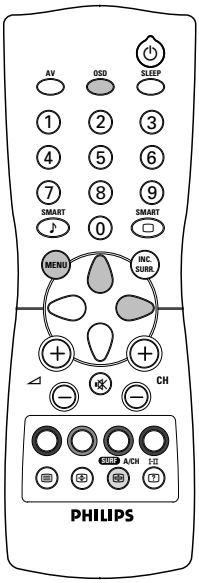
How to view channels from the Surf list

1. Press the SURF A/CH button repeatedly to cycle through the channels and select the channel you want to view.

USING THE ALTERNATE CHANNEL FEATURE

When you are viewing a channel and decide to view the previous channel, use this feature to alternate between the two channels.

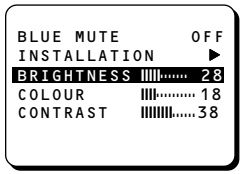
How to activate the Alternate Channel feature



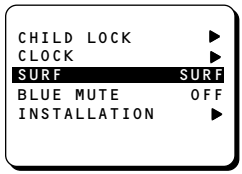
Press button

Result on TV Screen

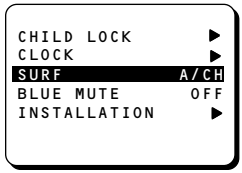
1. Enter main menu.



2. Select **SURF**.



3. Select **A/CH** (Alternate Channel) option.

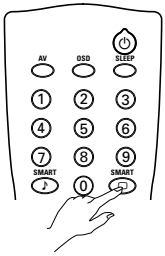


4. Exit menu from screen.

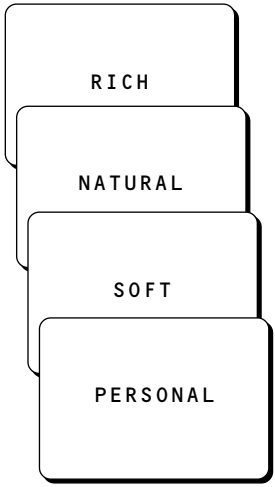
5. Alternate between the present channel and the previous channel.

Smart Picture

Smart Picture offers you a choice of 4 settings – **RICH**, **NATURAL**, **SOFT** and **PERSONAL**.



- Press SMART button repeatedly to cycle through the 4 settings to select your desired picture setting.



Definition of Picture Settings

RICH : Emphasizes very vibrant colours. (Suitable for AV mode in brightly-lit condition)

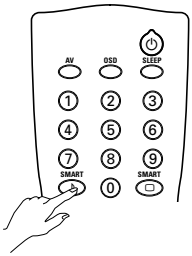
NATURAL : Emphasizes natural and original colours.

SOFT : Emphasizes warm colours. (Suitable for dimly-lit room condition and gives cinema-like effect when light is switched off)

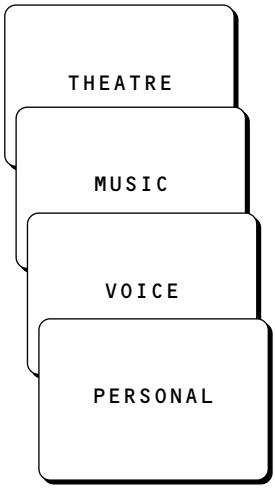
PERSONAL : Settings are set to your preference.

Smart Sound

Smart Sound offers you a choice of 4 settings – **THEATRE**, **MUSIC**, **VOICE** and **PERSONAL**.



- Press SMART button repeatedly to cycle through the 4 settings to select your desired sound setting.



Definition of Sound Settings

THEATRE : Emphasizes sensation to action and a wider sound ambience.

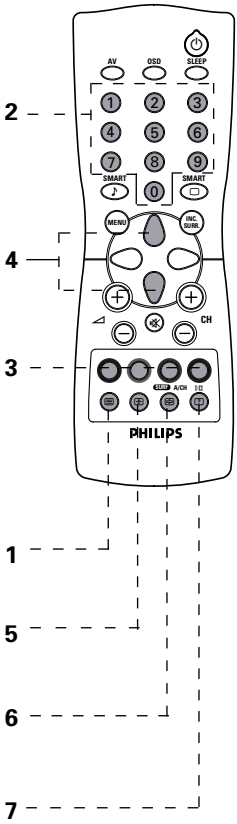
MUSIC : Emphasizes bass frequency making the music dynamic.

VOICE : Emphasizes treble frequency making speech clearer.

PERSONAL : Settings are set to your preference.

TELETEXT

If TV channel broadcast contains teletext information, each channel that broadcasts teletext transmits a page (index page) with information on how to use the teletext system - usually on page 100. The system transmitted is indicated in the option line at the bottom of the screen.



1 On/Off teletext

Press button once to switch on or off teletext display (A channel in which teletext is being transmitted must be selected).

2 Selecting a teletext page

Key in the required teletext page number (3 digits). The page number is displayed at the top left hand corner of the screen. When the teletext page is located, the counter stops searching. If the counter keeps searching, it means that the page is not available for selection. If you make a mistake in keying the page number, you have to complete keying in the 3-digit number before re-keying the correct page number.

3 Direct access to an item or corresponding pages

The 4 colour buttons are used to access an item or a corresponding page.

4 Selecting a teletext page

Press button to display the previous page. Press button to display the next page.

5 Enlarging a teletext page

Press the button once to enlarge and view the top half of a page. Press button the second time to enlarge and view the bottom half of page. Press the button the third time to return to normal size page.

6 Holding a teletext page

A selected page sometimes contains a few sub-pages. The sub-page will automatically move to the next sub-page after about 20 seconds. The total number of sub-pages are indicated at the top right hand corner of the screen. Press the button once to hold page and the second time to release holding of page.

7 Revealing hidden information

Press the button once to reveal hidden information (solutions to puzzles, riddles, etc). Press the button again to conceal hidden information.

Safety

Disconnect mains plug when :

- the red light below the TV screen is flashing continuously.
- a bright white line is displayed across the screen.
- cleaning the TV screen. Never use abrasive cleaning agents. Use a slight damp chamois leather or soft cloth.
- there is a lightning storm.
- the set is left unattended for a prolonged period of time.

Before calling Service

Make these simple checks before calling for service. Some of these symptoms can easily be rectified if you know what to do.

Symptom	What you should do
Colour patch (uneveness)	• Switch off the TV by the mains power button. Wait for 20 minutes before switching on again. • Check the TV is not placed too near speakers or magnetic objects
No power	• Check the TV's AC power cord is plugged into the mains socket. If there is still no power, disconnect plug. Wait for 60 seconds and re-insert plug. Switch on the TV again.
No picture	• Check the antenna connection at the rear of the TV. • Possible TV station problem. Try another channel.
Good picture but no sound	• Try increasing the volume. • Check that the sound is not muted. If it is muted, press the ⊛ button on the remote control to restore sound.
Good sound but poor colour or no picture	• Try increasing the contrast and brightness setting.
Snowish picture and noise	• Check antenna connection at the rear of the TV.
Horizontal dotted lines	• Possible electrical interference e.g. hairdryer, vacuum cleaner, etc. Switch off appliances.
Double images or "Ghost" images	• Possible poor positioning of antenna. Using a highly directional antenna may improve reception.
TV not responding to remote control handset	• Check life span of batteries of remote control handset. • Aim remote control handset directly at remote control sensor lens on the TV.
Message "ACCESS CODE" shown on TV. Cannot access to locked channel.	• Key in your personal access code to unlock channel. If you have forgotten your code, key in the universal code 0711 twice. For more details, refer to section on "How to unlock channels".

Picture tube size	54 cm
Picture tube visible area	51 cm
Audio Output	2 x 5 W
Set dimensions Width Height Depth	 600 mm 487 mm 454 mm
Nett weight of set	26 kg

TV System	**Versions**			
	56	57	69	79
PAL B/G	x	x	x	
PAL B/H				x
PAL D/K	x	x	x	x
PAL I	x	x	x	x
SECAM B/G	x	x	x	x
SECAM D/K	x	x	x	x
SECAM K1	x	x	x	x
NTSC M	x	x	x	x
NTSC Playback	x	x	x	x
PAL 60 Playback	x	x	x	x

Note
For Operating Voltage, Frequency, Power Consumption and Version Number, refer to the type number at the rear of the set.